

What is claimed is:

1. An optical apparatus to be used for digital still cameras for setting any one of a plurality of lenses in a picture taking (image capturing) position comprising:

(a) a lens turret rotatable around an axis and having plurality of lenses
5 mounted thereon;

(b) a driving mechanism to rotate the lens turret so that one of the lenses can
be set at the picture taking position; and

(c) a means to adjust and extend the back focal length of the lens with shorter
focal length that is so shaped like a column or square column or the like
10 and as to be suitable for being inserted between the rearmost lens element
and the image sensor, and is made of glass, plastic or the like that has
higher refraction index than that of air.

2. An optical apparatus as claimed in claim 1, wherein the means of driving to
rotate the lens turret can be operated manually using gear teeth provided on the
15 rim of lens turret disk, a rack, or a rack and a pinion, and the rack can be
moved by sliding from side to side manually.

3. An optical apparatus as claimed in claim 1, wherein the means of driving to
rotate the lens turret can be operated by a motor using a worm and gear teeth
provided on the rim of lens turret disk and fixed on the axle of the motor.